Appl. No. 09/545,336 *23*
Amdt. dated April 24, 2004
Reply to Office Action of February 24, 2004

This listing of claims will replace all prior versions, and listings, of claims in the application:

<u>Listing of Claims:</u>

Claim 1 (currently amended): A non-invasive human user identification and verification system, comprising:

    a smart card;

    a silicon-based video camera embedded within said smart card for gathering facial image data;

    a digitizer integrated within said smart card for digitizing said facial image data;

    non-volatile storage media for receiving and storing said digitized facial image data;

    a docking port for receiving said smart card and communicating said digitized image data therethrough; <u>and</u>

    <u>a</u> communications interface for transmitting said stored digitized facial image data to a central processor capable of receiving and manipulating said data to produce an output signal for use in the identification and verification of said human user.

Claim 2 (currently amended): A method for the identification and verification of a human user, comprising the steps of:

    capturing one or more first facial images at a remote enrollment station and digitizing said first facial images for storage in a non-volatile media within a smart card;

    inserting said smart card with embedded video camera into a docking port; <u>and</u>

2

Appl. No. 09/545,336
Amdt. dated April 24, 2004
Reply to Office Action of February 24, 2004

capturing one or more second facial images and digitizing and transmitting said

second facial images to a central processor capable of receiving and comparing said first

and second facial images and producing a signal indicative of recognition or non-

recognition of said human user.

Claim 3 (previously presented):   A human user identification and verification

system, comprising:

a portable personal identification device;

a communications port adapted to receive information from the personal

identification device, the communications port being external to the personal

identification device;

wherein the personal identification device comprises:

a prerecorded representation of biometric data identifying an individual;

a sensor configured to capture biometric data; and

a communications interface configured to transmit information to the

communications port, the information including both the prerecorded

representation of biometric data identifying the individual and the biometric data

captured by the sensor; and

a processor communicatively coupled to the communications port, the processor

being configured to process the information transmitted from the personal identification

device to the communications port and produce a signal indicative of whether the

biometric data captured by the sensor matches the individual identified by the

prerecorded representation of biometric data.

3

Appl. No. 09/545,336
Amdt. dated April 24, 2004
Reply to Office Action of February 24, 2004

Claim 4 (previously presented): The human user identification and verification system of claim 3, wherein the personal identification device is a smart card.

Claim 5 (previously presented): The human user identification and verification system of claim 4, wherein the communications port is a docking station.

Claim 6 (previously presented): The human identification and verification system of claim 3, wherein the biometric data identifying the individual comprises facial image data and wherein the sensor is an image-capturing device.

Claim 7 (currently amended): The human identification and verification system of claim 4̶6̶, wherein the biometric data identifying the individual comprises facial image data and wherein the sensor is an image-capturing device.

Claim 8 (previously presented): The human identification and verification system of claim 6, wherein the personal identification device further comprises machine-readable storage media for storing the prerecorded representation of biometric data identifying an individual.

Claim 9 (previously presented): The human identification and verification system of claim 8, wherein the storage media comprises non-volatile memory.

4

Appl. No. 09/545,336
Amdt. dated April 24, 2004
Reply to Office Action of February 24, 2004

Claim 10 (currently amended): The human identification and verification system of claim 3, wherein said ~~the personal identification device comprises a plurality of~~ prerecorded representation ~~representations~~ of biometric data identifying an individual comprises a plurality of facial images of the individual.

Claim 11 (previously presented): The human identification and verification system of claim 3, wherein the personal identification device is configured to acquire and store data representing a plurality of biometric characteristics of a person.

5